

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1-16. (cancelled)

~~17.~~ (currently amended) A communication system including a differential signal transmitter, the transmitter comprising:

a DAC decoder circuit, the DAC decoder circuit outputting DAC control words corresponding to digital input signals;[[;]]

a differential current mode driver cell array;

a selection circuit, the selection circuit asserting control signals in operative response to DAC control words, the selection circuit placing individual cells of the current driver cell array into a first operational mode sensitive to a first metric or into a second operational mode sensitive to a second metric in response to a select signal.

~~18.~~ (original) The communication system according to claim ~~17~~¹, wherein the first metric corresponds to radiative emissions and wherein the second metric corresponds to power consumption.

~~19.~~ (original) The communication system according to claim ~~18~~², each differential current mode driver cell comprising:

first and second current sources, each conducting an equal quanta of current;

first and second differential pairs, each pair coupled to a respective current source;

a pair of differential outputs, a first output connected to a first transistor comprising each of the differential pairs, a second output connected to a second transistor comprising each of the differential pairs; and

four control signal inputs, each input controlling to a respective one of the transistors comprising the first and second differential pairs.

- ~~4~~ 20. (original) The communication system according to claim ~~19~~³, further comprising:
a first logic circuit connected to receive the DAC control word, the first logic circuit asserting control signals which operate a corresponding signal component output circuit in the first mode; and
a second logic circuit connected to receive the control word, the second logic circuit asserting control signals which operate a corresponding signal component output circuit in the second mode.
- ~~5~~ 21. (original) The communication system according to claim ~~20~~⁴, each differential current mode driver cell comprising:
first and second current sources, each conducting an equal quanta of current;
first and second differential pairs, each pair coupled to a respective current source;
a pair of differential outputs, a first output connected to a first transistor comprising each of the differential pairs, a second output connected to a second transistor comprising each of the differential pairs; and
a set of control signal inputs, each input of the set controlling a respective one of the transistors comprising the first and second differential pairs.
- ~~6~~ 22. (original) The communication system according to claim ~~21~~⁵, the first and second logic circuits each defining control signals in response to a DAC control word, said first and second differential pairs operatively responsive to said control signals to output a differential signal in either the first mode or the second mode.
- ~~7~~ 23. (original) The communication system according to claim ~~22~~⁶, wherein the DAC control word is the same when the first and second differential pairs output a differential signal in either the first mode or the second mode.
- ~~8~~ 24. (original) The communication system according to claim ~~23~~⁷, wherein the first mode is a Class-A mode and wherein the second mode is a Class-B mode.

25. (cancelled)